SpO_2 Assistant

USER MANUAL

2013-01-23

CONTENTS

1. Foreword..... 1
2. Main technique specification..... 1
2.1. Performance specification..... 1
2.2. Suited device..... 1
3. System environment Requirements..... 1
4. Installation..... 2
4.1. Software installation..... 2
4.2. Hardware device connection..... 2
5. Instructions for use..... 3
5.1. Start SpO2 Assistant..... 3
5.2. Choose language..... 5
5.3. Real time espial mode..... 5
5.3.1. Brief introduction..... 5
5.3.2. Start the demo..... 7
5.3.3. Collect data..... 8
5.3.4. Set display parameter..... 9
5.3.5. Alarm..... 10
5.3.5.1 Alarm setting..... 10
5.3.5.2. Alarm prompt..... 11
5.3.6. Freeze and unfreeze waveform..... 11
5.3.6.1. Freeze waveform..... 11
5.3.6.2. Unfreeze waveform..... 12
5.3.7. Information setting..... 12
5.3.7.1. User information..... 12
5.3.7.2. Unit setting..... 13
5.3.8. Device stored data..... 13
5.3.9. Set device information..... 14
5.3.10. Pulse sound setting..... 14
5.3.11. Real time data store..... 15
5.3.12. Synchronize device time..... 15
5.3.13. automatic storage of real time data..... 15
5.4. Review analyse mode..... 15
5.4.1. Brief introduction for window..... 15
5.4.2. Exclude data..... 17
5.4.2.1. Excluding operation..... 17
5.4.2.2. Undo excluding operation..... 18
5.4.3. Query user file..... 19
5.4.4. Analysis parameters..... 19
5.4.4.1. Parameter setting..... 19
5.4.4.2. Parameter explanation..... 20

5.4.7. Report display..... 21
5.4.7.1. Strip chart report..... 21
5.4.7.2. Full study report..... 21
5.4.7.3. Oximetry report..... 21
5.4.7.4. Summary report..... 22
5.4.7.5. Report title setting..... 23
5.4.8. Print report..... 23
5.4.9. Interpretation..... 24
5.4.10. Set SpO2 distribution..... 24
5.5. Mode switch..... 24
5.6. Custom Colors..... 24
6. Appendix..... 25
6.1. Configuration color scheme..... 26
6.1.1. File contained the color scheme..... 26
6.1.2. Color configuration files..... 26
6.1.3. Configuration steps..... 27

1. Foreword

SpO_2 Assistant Software (called "Software" hereinafter) can real time monitor,review and analyse Sp pulse rate and perfusion index(need support of device).In real time mode, the software collect the data upload from pulse oximeter to monitor such parameters as SpO_2, pulse rate and perfusion index(called "PI" for short) review analysis mode,it can review and analyse the stored data ,display analysis results and the trend charts.T manual will introduce all the features of the software and the detailed operation guidance.

Features:

- Automatic scanning device, the user can connect the pulse oximeter device according to their o actual conditions.
- Real time displaying the data uploaded from pulse oximeter,including waveform,trend,bar chart a parameter value.
- With alarm prompt for the parameter value from pulse oximeter.
- Freezing waveform, and reviewing the frozen waveforms by paging up or paging down.
- Controlling pulse oximeter to send, delete the stored data in the device, and set the ID and synchron device time .
- With saving and altering user information function
- Supporting the setup of user information and units, multi-language saving and changing.
- Supporting data storage, review and analysis for up to 72 hours , showing four kinds of analysis repo and the editing of diagnostic information.
- Supporting the report printout.
- Supporting searches for user historical documents and "Save as..."operation for files.
- Supporting multi-country languages.

2. Main technique specification

2.1. Performance specification

Display ： Lowest resolution 800* 600, true colour,right LCD

Language： Chinese , English

Trend ： Review and analyse trend for all data

Alarm ： Limit alarm for SpO_2 and pulse,alarm of finger out,search alarm

SpO_2 display range ： 0% - 100%

Pulse rate display range ： 0bpm - 300bpm

Perfusion Index display range ： 0.0%~25.0%

2.2. Suited device

Pulse oximeter

3. System environment Requirements

processor : Pentium IV 1.8G or above

OS : Microsoft Windows XP / Vista / 7

Memory : 256MB or above

Display : 800*600, RGB24 or above
Video adapter : 64MB Memory or above
Font : Normal fonts
Keyboard : standard keyboards
Mouse : standard keyboard
Port : USB port wireless connection

4. Installation

4.1. Software installation

Double click the installation file "SpO_2 Setup_Assistant.exe" and follow installation guide (the filename may different because of edition difference). When installing,you may find the indication as figure 4.1.1,please cl "Continue Anyway" to finish.(If you connect the device for the first time,you may also find the indication figure 4.1.1,please click "Continue Anyway") You have to confirm whether to reboot the computer a installation.It's recommended that you restart your computer for the first installation.

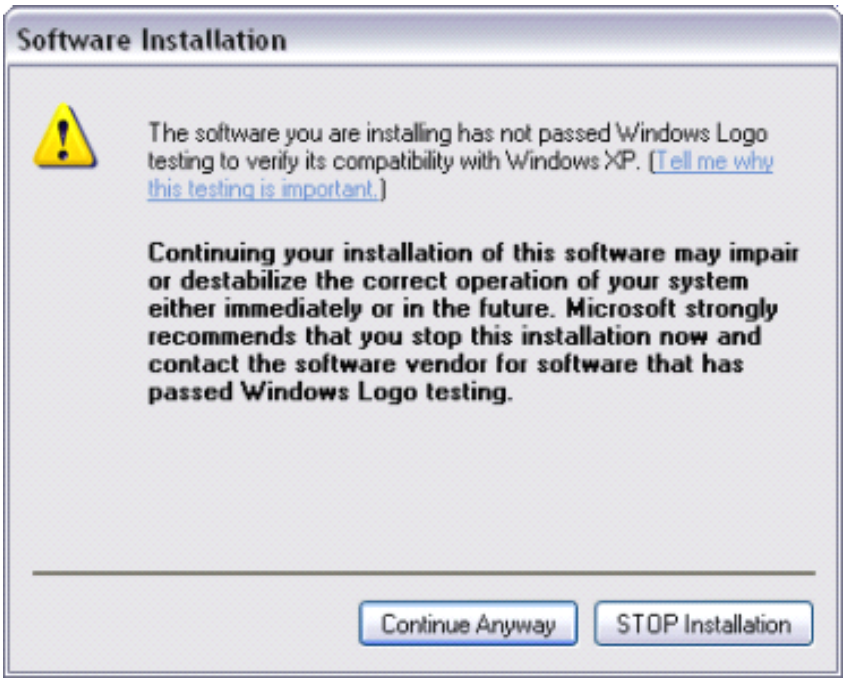


figure 4.1.1

4.2. Hardware device connection

The software hold serial interface connection and wireless connection.Please refer to correlative pu oximeter user manual for detailed connection method

Note: When wireless connection,please use the Microsoft accompanying bluetooth driver,don't install third pa driver.If the PC doesn't hold bluetooth,please choose the bluetooth adapter which doesn't need driver

The progresses of checking bluetooth driver:

1. Open the equipment manager .Choose "my computer",then choose "manage" by right key,and the figure 4. will pop-up,then choose "Equipment manager".

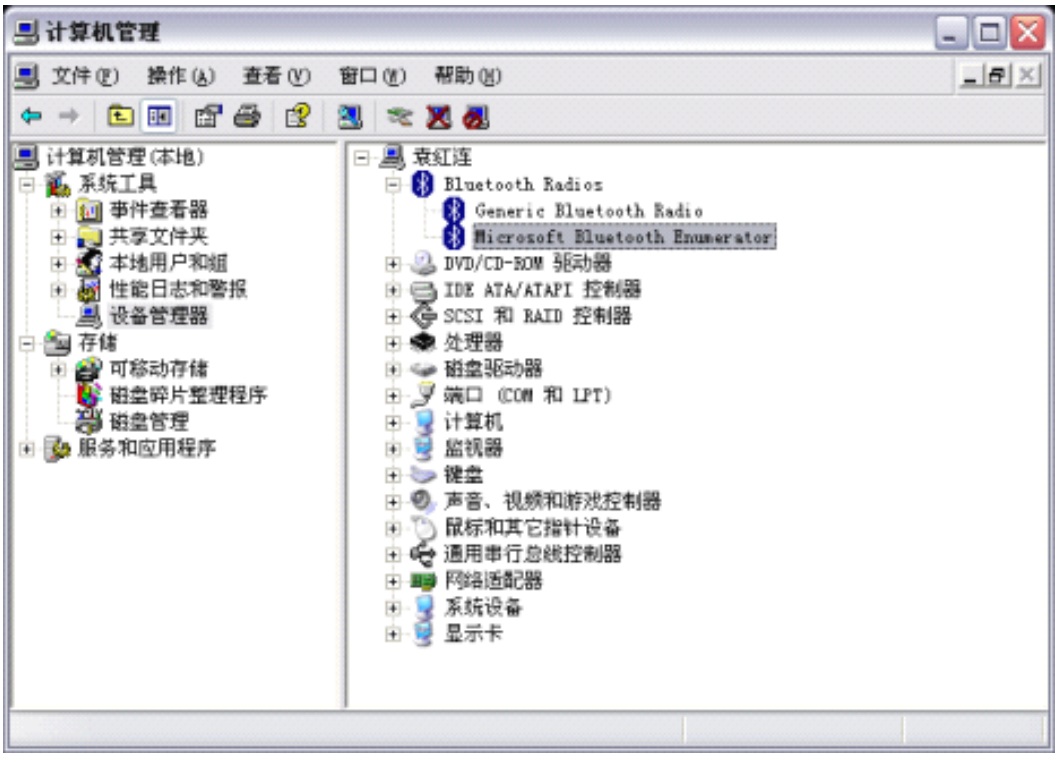


figure 4.2.1

2 Choose the "Bluetooth Radios" with sign ,and choose "Microsoft Bluetooth Enumerator", then cho "attribute" by right key,and the window as figure 4.2.2 will pop-up.Click the "Driver" in the window to exam the supplier of the driver.

figure 4.2.2

3 please make sure that the the supplier of the bluetooth driver is Microsoft.If not,please uninstall the third pa bluetooth driver,and use the driver of Microsoft.

5. Instructions for use

"SpO_2 Assistant" software,you can also start the software from start menu.

If you use the software for the first time ,there will be a dialog box as figure 5.1.1.If not,the program will enter main interface as figure 5.1.2directly.

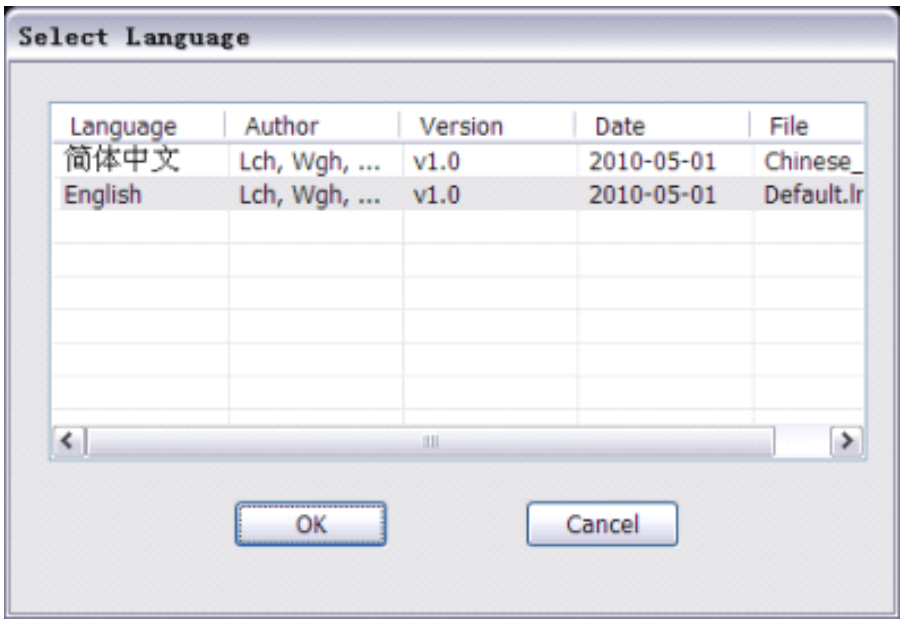


figure 5.1.1

The user could choose the language according to need.After choosing language,the program will enter the m interface.The main interface is divided into five parts :main window frame,menu bar,tool bar, client section a status bar as figure 5.1.2.

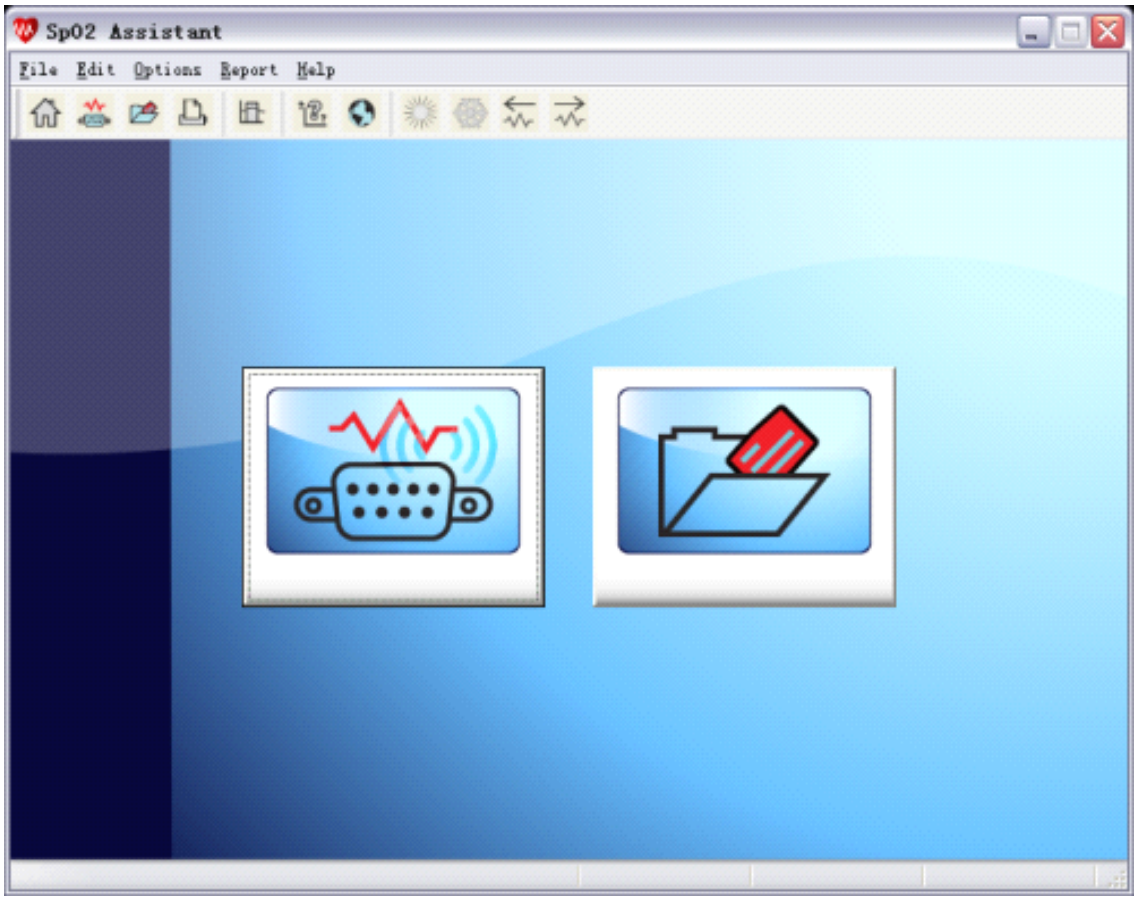


figure 5.1.2main interface

Main interface introduction:

- Tool bar

icon	function

	Turn on the device,and switch to the real time espial mode
	Open the file,switch to review analyse mode
	Review analyse mode:print
	Review analyse mode:exclude data
	Display parameter setting
	Choose Language
	Real time espial mode:Thaw wave
	Real time espial mode:Freeze wave
	Real time espial mode:move along 5 seconds wave in freezing wave state Review analyse mode:page forwards(general analyse report)
	Real time espial mode:move backward 5 seconds wave in freezing wave state Review analyse mode:page backward(general analyse report)

➢ State bar

In real time espial mode,current device informations are displayed in state bar,including:device connect type,device type,company name,device ID.

➢ Two buttons in client section：

: turn on the device to enter real time espial mode

: open the file to enter review analyse mode

5.2. Choose language

The user could change interface display language at any moment as follow：

➢ Click "Options_Select Language"

➢ Click button in tool bar

Selecting language dialog box will appear if the user carry through above operation as figure 2.The u could select language according to need.Click "OK",and the interface will display corresponding language;cl "cancel" to cancel operation.

5.3. Real time espial mode

5.3.1. Brief introduction

The steps to real time espial mode are as follow：

➢ Click "File-Connect Device"

- Click the button in the main window interface

The dialog box of the device connection which can display the device's correlation information will app after doing the above operation as figure 5.3.1.1.

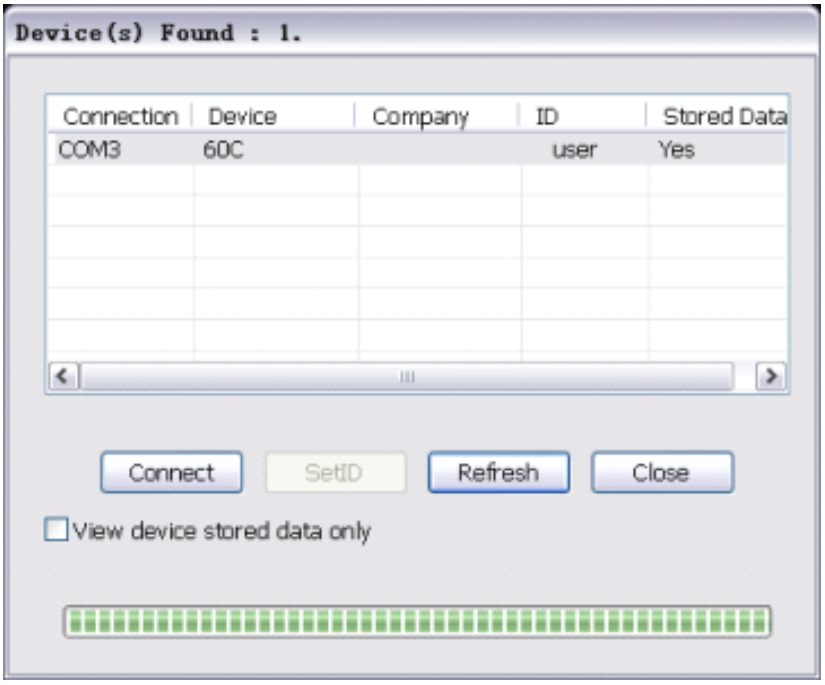


figure 5.3.1.1The dialog box of the device connection

When there are some devices which have the same ID,the user could choose one device to set ID avoiding confusion.select one device in the list,and click "connect" to connect the device,then it will enter the r time espial interface which comprizes four areas as Figure 5.3.1.2.

- Trend chart area: trend chart display
- Waveform area: waveform display
- Parameter area: display the SpO_2 and pulse rate value,the upper and lower limit of the alarm and alarm small bell.
- Function area: display perfusion index,bar chart,heart shape,user name,the data storage type and state.

The data storage type: single user and single segment ,single user and multi-segm ,multi-user and single segment ,multi-user and multi-segment

The data storage state: having the storage data ;no storage data:

Figure 5.3.1.2main window of the real time espial

5.3.2. Start the demo

In main interface,click "File-DEMO" to enter demo interface as Figure 5.3.2.1,the device connection type state bar displays "Demo". The user can not set the ID and send the storage data in demo mode.

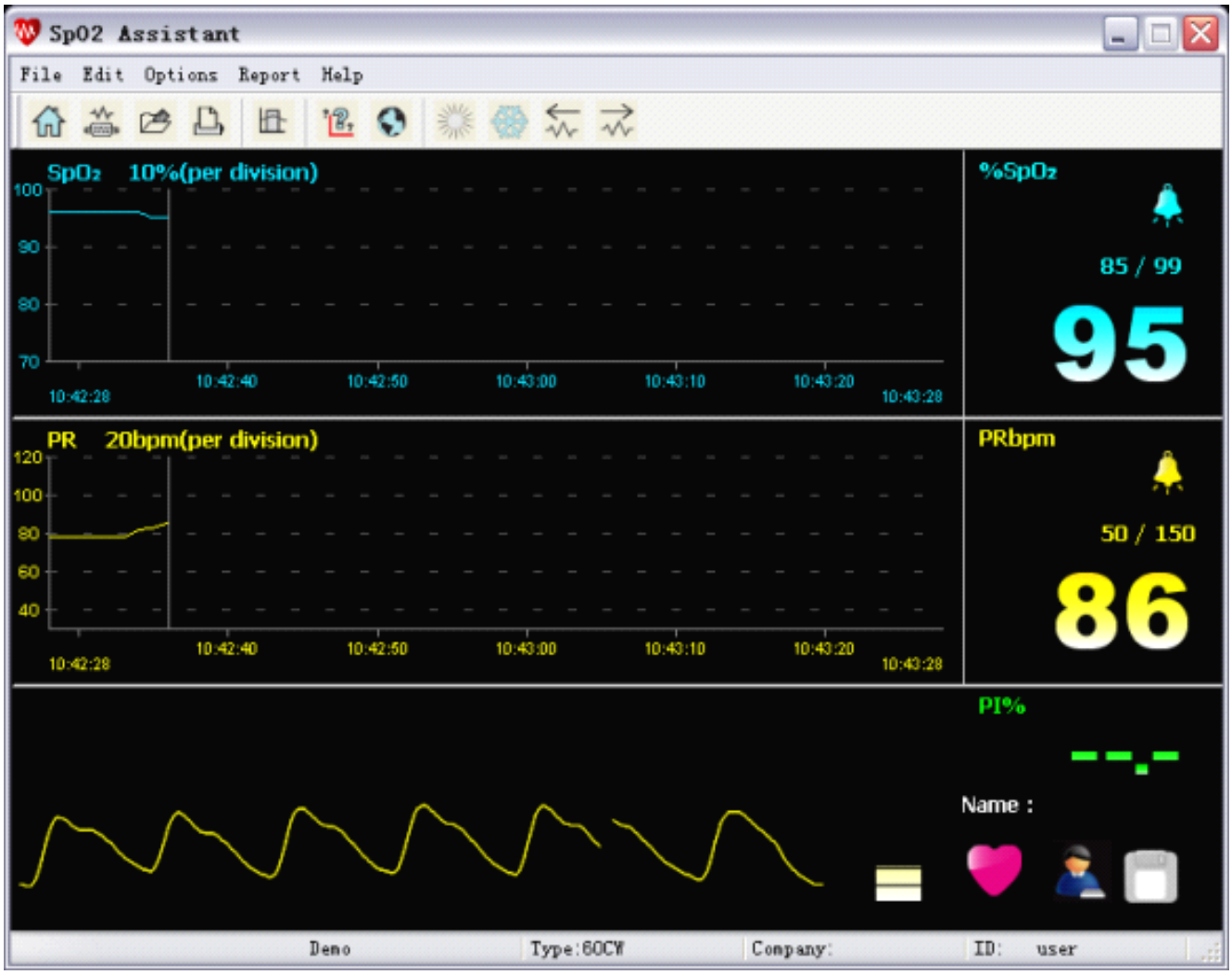


Figure 5.3.2.1Demo interface

5.3.3. Collect data

The device could collect the data after the device was connected as Figure 5.3.3.1.

The display information includes:

- Display the SpO2 and pulse rate trend chart for two hours at best.
- Display the SpO_2,pulse rate and perfusion index real time data information.
- Real time alarm information display for SpO_2 and pulse rate
- Waveform display
- Frozen waveform and frozen time display.About freezing waveform operation,refer to 5.3.6 for details
- Bar chart and heart shape display

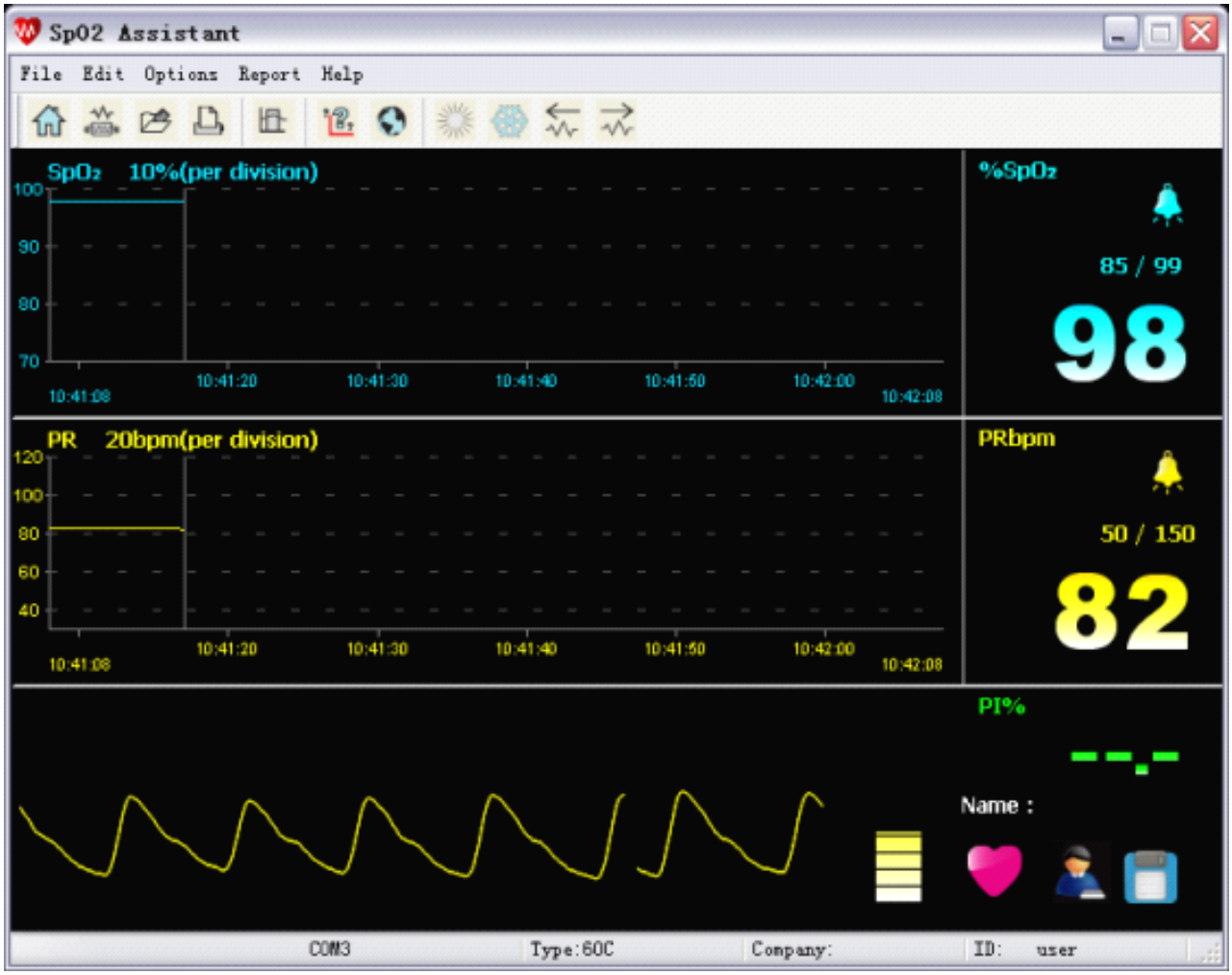


Figure 5.3.3.1Gather data interface

5.3.4. Set display parameter

Click "Options-Display Parameters" or tool bar button to enter display parameter dialog box as fig 5.3.4.1:

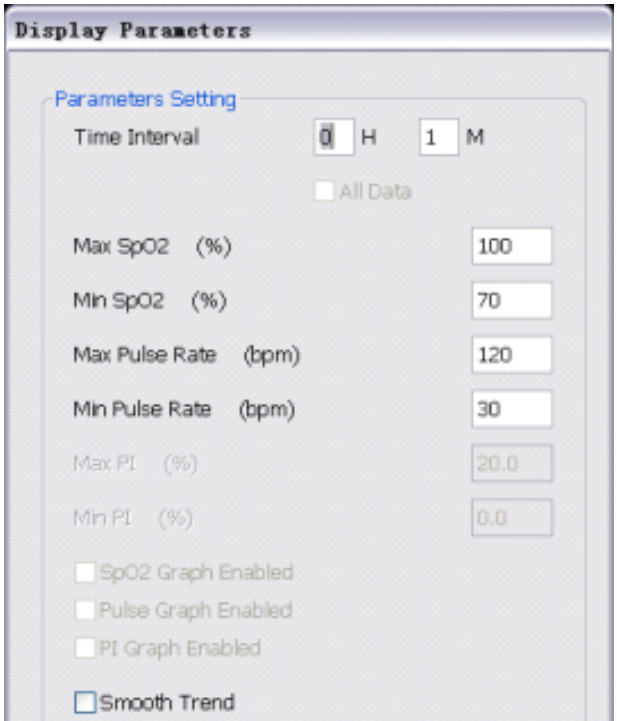


figure 5.3.4.1Display parameter dialog box

Time interval,the parameter upper and lower limit,trend chart and whether to smooth the trend chart can set.The trend chart will be displayed according to setting after you click "OK";Click "cancel" to cancel setting. prompt information that prompts user to input over again will appear when the value goes beyond the range.

- Time Interval:change time length.of the current page
- All data:display all data when it was selected,or display the trend chart according to the time interval.
- Max SpO_2（%）:set the upper limit of the SpO_2 trend chart coordinates.(input range is (0,100]).
- Min SpO_2（%）:set the lower limit of the SpO_2 trend chart coordinates.(input range is [0,100)).
- Max Pulse Rate(bpm):set the upper limit of the pulse rate trend chart coordinates (input range (0,300]).
- Min Pulse Rate(bpm):set the lower limit of the pulse rate trend chart coordinates(input range [0,300)).
- Max PI（%）:set the upper limit of the PI trend chart coordinates(input range is (0,20]).
- Min PI（%）:set the lower limit of the PI trend chart coordinates(input range is [0,20)).
- SpO_2 Graph Enabled:display(hide) the SpO_2 trend chart.
- Pulse Graph Enabled:display(hide) the pulse rate trend chart.
- PI Graph Enabled:display(hide) the PI trend chart.
- Smooth Trend:set whether to smooth the trend chart.

Note:

1、The gray style means that it can't be used.

2、Input range is expressed with area,such as the input range of SpO_2 upper limit(0,100],the in value is from 0 to 100,not including 0, including 100.

5.3.5. Alarm

5.3.5.1 Alarm setting

Click"Options-Alarm setting" to set the upper and lower limit of SpO_2 and pulse rate in alarm setting dialog box as figure 5.3.5.1.1.

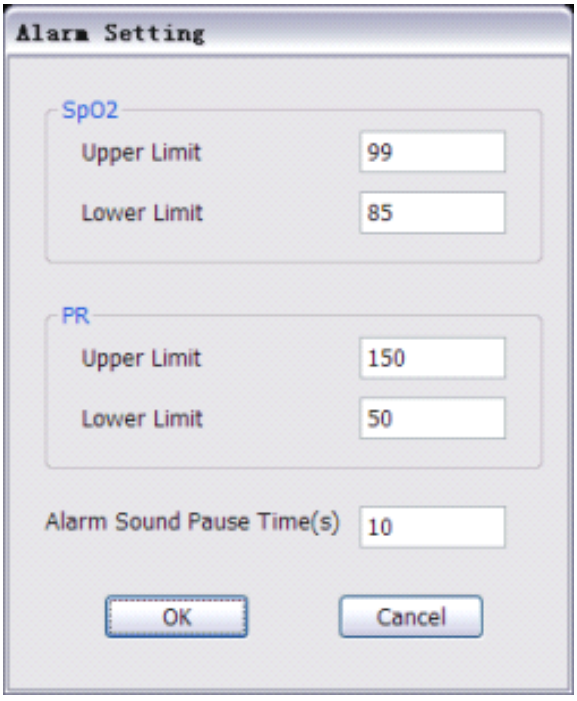


Figure 5.3.5.1.1Alarm setting dialog box

5.3.5.2. Alarm prompt

The alarm information can prompt the user by two modes of seeing and hearing. As the alarm information is important and requires timely response,this software provides the following modes to prompt the user that the alarm has happenedas figure 5.3.5.2.1.

- Alarm information

The alarm information which provides the disobeyed alarm limit is displayed in trend chart area.Such "Alarm:SpO2 > 90",it means that the alarm happens for the reason of SpO_2 value exceeding the upper limit 90.

- Alarm sound

The software can prompt user by sound when alarm happens.

Note: Click "Edit-Pause alarm sound(10s)" to suspend the current alarm sound 10seconds. Set alarm sou pause time by alarm setting.

- flicker

When some physiological parameter alarm happens,the small bell icon and value in parameter display a will flicker to prompt the parameter is alarming.

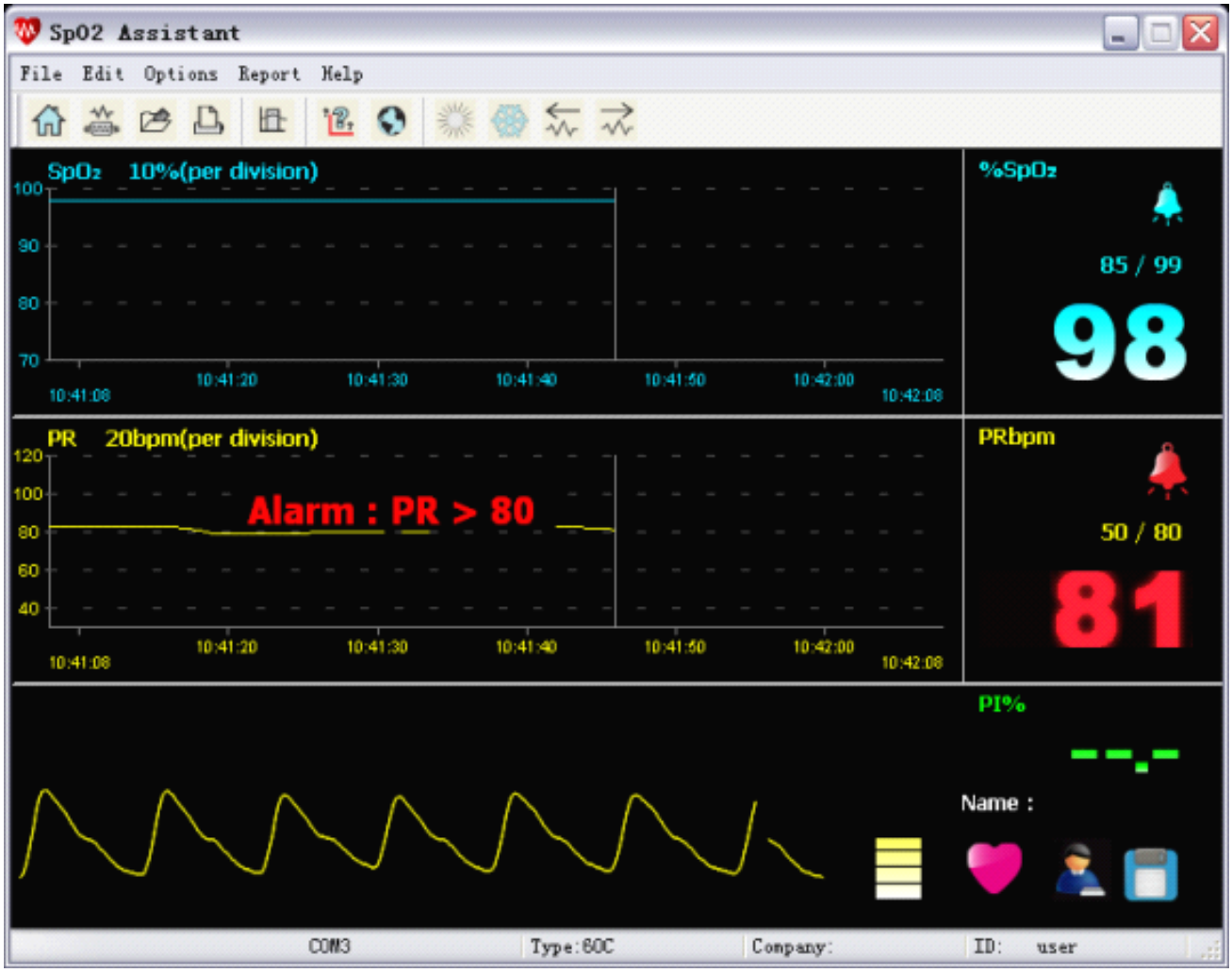


Figure 5.3.5.2.1Alarm display interface

5.3.6. Freeze and unfreeze waveform

5.3.6.1. Freeze waveform

Method as follows :

- Click "Edit-Freeze Wave"
- Click the button in tool bar

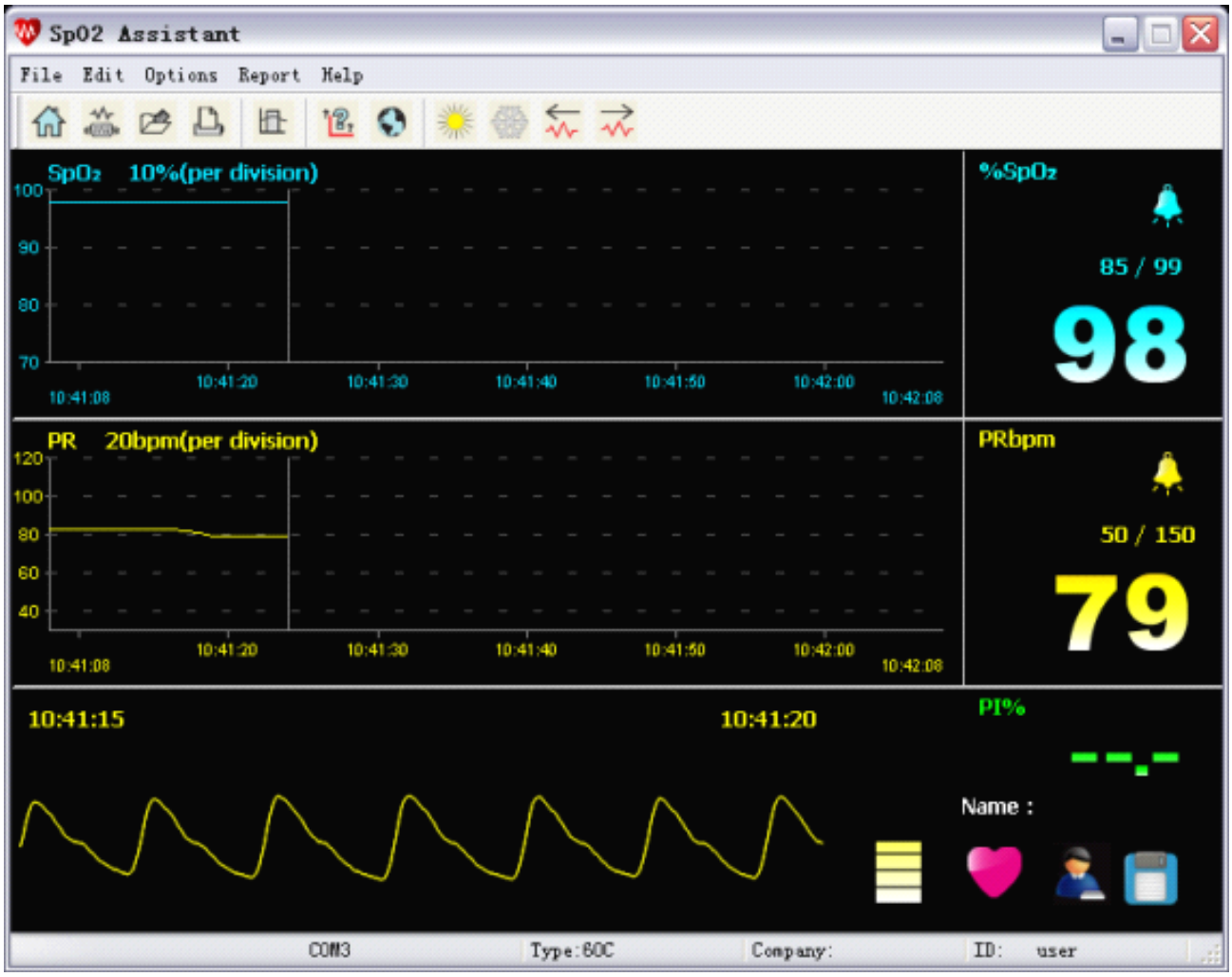


Figure 5.3.6.1.1Frozen waveform interface

Click the button to move along the waveform five seconds,and Click the button to mo backward the waveform five seconds.

5.3.6.2. Unfreeze waveform

Method as follows ：

- Click "Edit-Unfreeze Wave"
- Click the button in tool bar

After the waveform was unfrozen,waveform real time espial state will be resumed.

5.3.7. Information setting

5.3.7.1. User information

Click "Options-User Information" to enter user information dialog box,then the user can examine,edit change the current user's name,height,age,weight,sex,nationality and comment as figure 5.3.7.1.1.

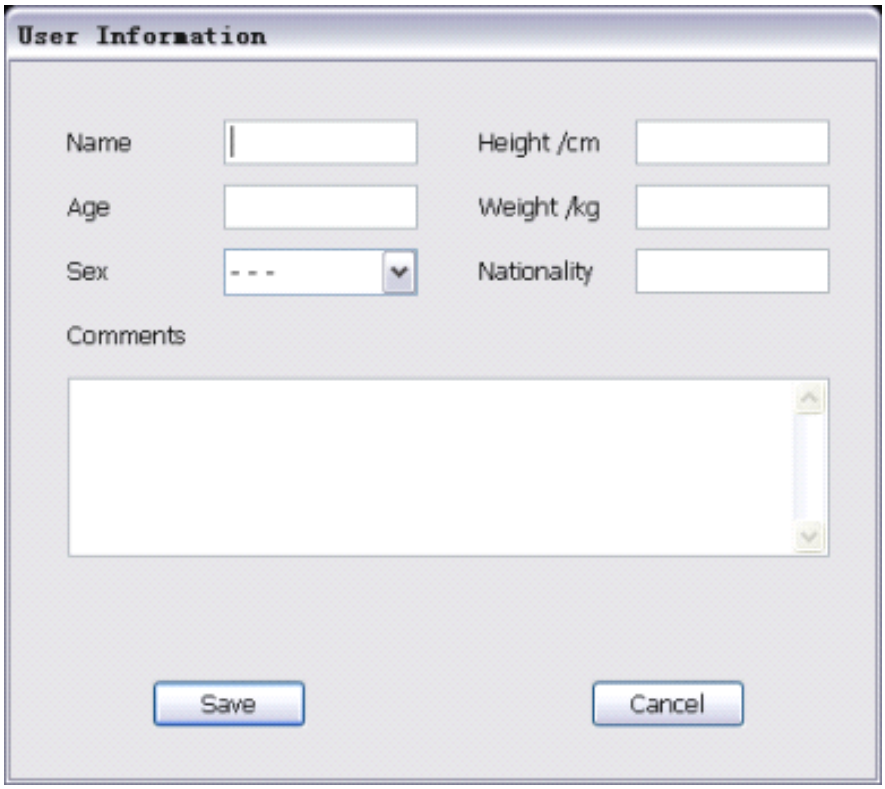


Figure 5.3.7.1.1User information

5.3.7.2. Unit setting

Click "Options-Unit Setting" to set the unit of user's height and weight as figure 5.3.7.2.1.

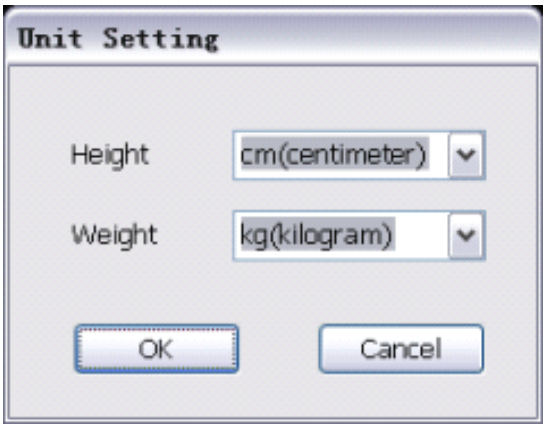


Figure 5.3.7.2.1Unit setting

5.3.8. Device stored data

In real time espial mode,click "File-Device Stored Data",and the device stored data dialog box w
appear,including user index number,user name,data index,data length,start time as figure 5.3.8.1(the data stor
type for figure 5.3.8.1is "multi-user and single segment ")

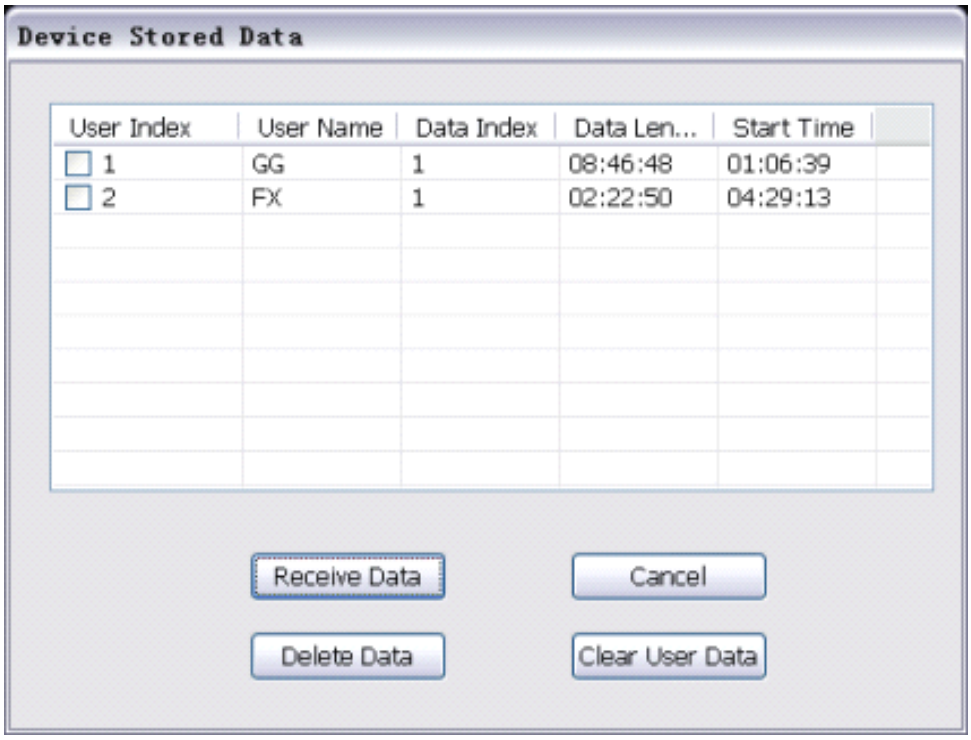


Figure 5.3.8.1Device stored data dialog box

- Store device data

Choose the stored data which is wanted to send (choose check box of user index number and you can cho many segments stored data),then click "receive data",and the schedule of receiving stored data will appear. software could store the data automatically.The naming method of file is as follow: user name+user inc number+data segment number+current store time.Click “cancel” button of schedule to cancel sending.

- Delete stored data（need device support）

Choose the data which is wanted to delete,then click "delete data " to delete the data segments which chosen.Click "clear user data" to delete all stared data of appointed user.

5.3.9. Set device information

In real time espial mode，click "Options—Set Device Info” to set device information as figure 5.3.9.1.

Figure 5.3.9.1Setting device information dialog box

There is current device ID in dialog box.The user could edit device ID (input 7 characters at most).Click "OK" to set current device ID,and the device ID in state bar of main window will change.

5.3.10. Pulse sound setting

5.3.11. Real time data store

When closing the real time espial mode,the software will prompt whether to store real time data as fig 5.3.11.1.The user could edit user information and file name,then click "save" to save information.

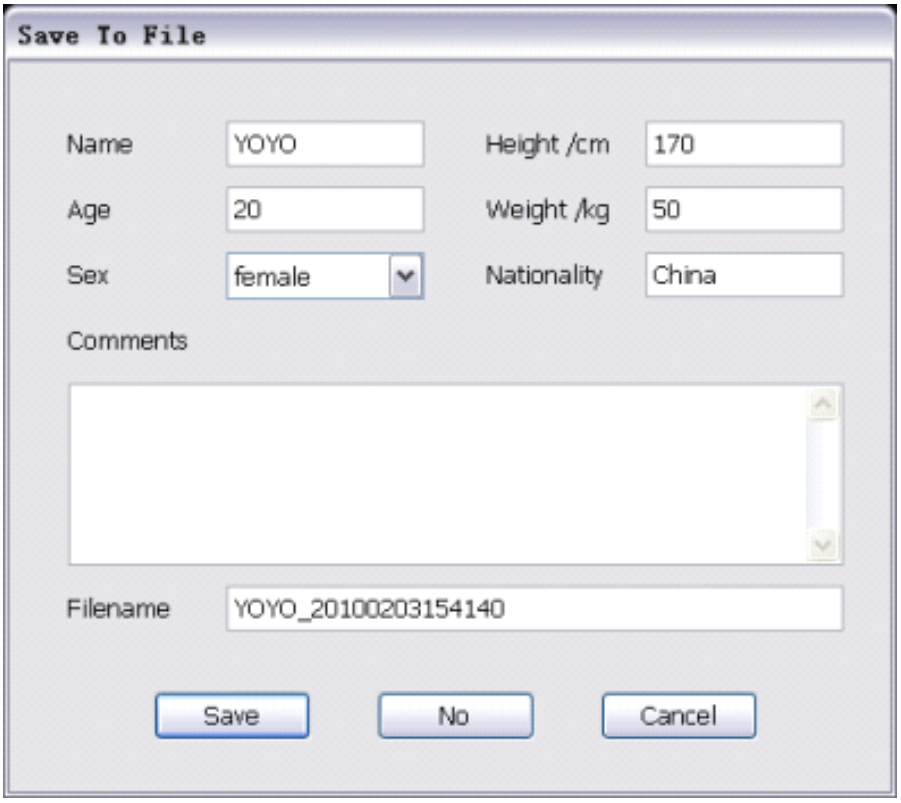


Figure 5.3.11.1Store data dialog box

Note:The software could save 72 hours data at most.

5.3.12. Synchronize device time

In real time espial mode,click "Options-Synchronizing Device Time" to set synchronizing device time a system time.

5.3.13. automatic storage of real time data

In order to avoid losing data because of software stopping,the software have automatic storage function real time data.The software could save the received data every other minute.When finish gathering,if the user s data,the saved data will be covered,if not,the saved data will be deleted.

5.4. Review analyse mode

There are two kinds of review analyse data:the data with PI and the data without PI.If the data includes PI, interface will display the trend charts of SpO_2 ,pulse rate and PI when the data file is opened in review anal mode.If the data doesn't include PI,the interface will display the trend charts of SpO_2 and pulse rate,and the sett operation about PI isn't used.This section use the review data without PI as example.

5.4.1. Brief introduction for window

There are four kinds of methods to enter the review analyse mode.

- Click menu "File-Open File"

➢ Click button " " in main window interface

Opening file dialog box will appear if above operation is carried out.Open the file to enter the revi analyse mode .

➢ Click menu "File-Query User File",and the query user file dialog box will appear as figure 5.4.1.1.

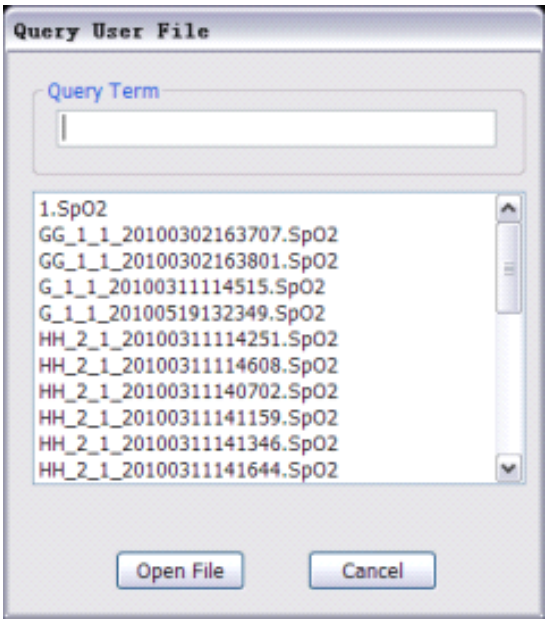


Figure 5.4.1.1Query user file dialog box

Choose one file in file list ,then click "Open File" or double click the file to enter the review analyse mode

The review analyse interface is divided into three areas mostly:caption area,user information disp area,trend chart display area as figure 5.4.1.2.

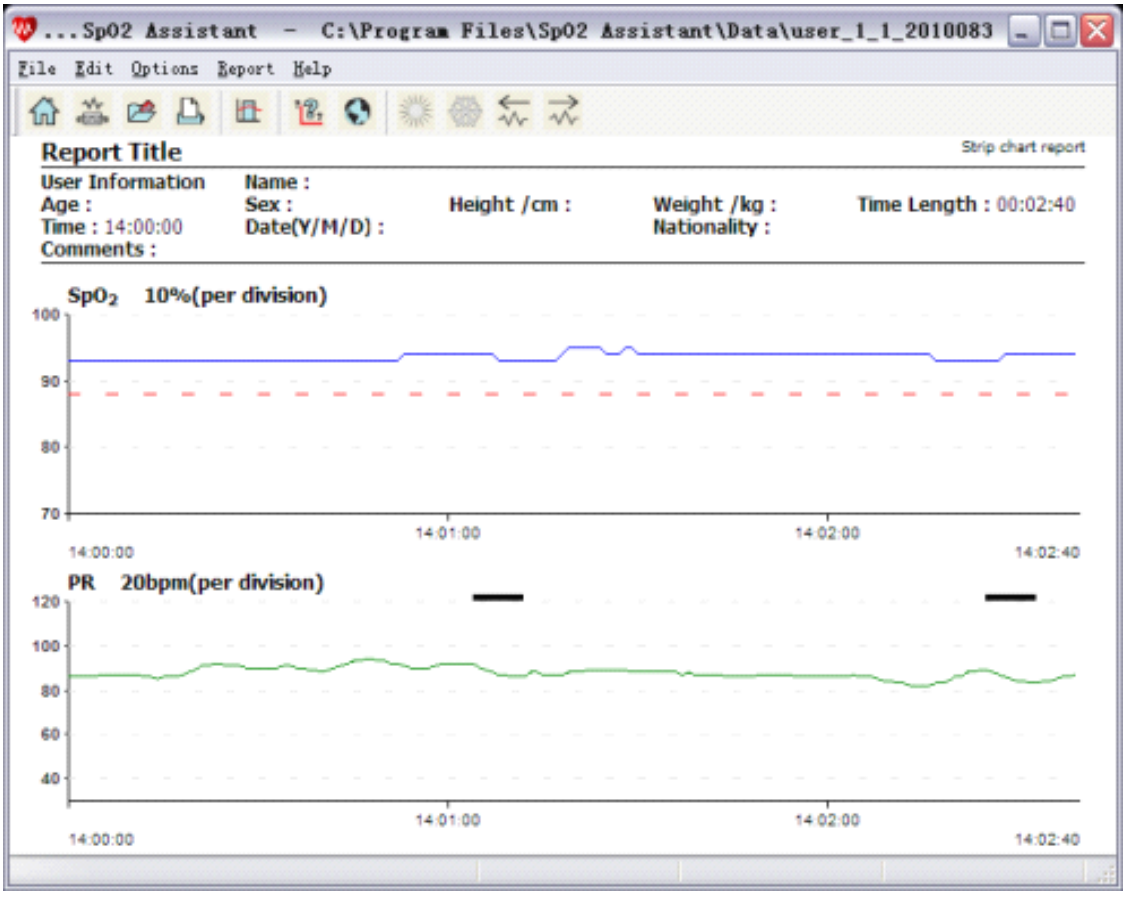


Figure 5.4.1.2The review analyse mode interface（zonal chart report）

5.4.2. Exclude data

In default circumstance,the software could analyse all data,cancel some useless data analysis by exclud data to make analysis result more real.Excluding data operation could only be carried out in zonal ch report.Other report only display the analysis result after excluding operation.

5.4.2.1. Excluding operation

Pressing left key of the mouse and drag mouse will draw piece of excluding area in trend chart area as fig 5.4.2.1.1.

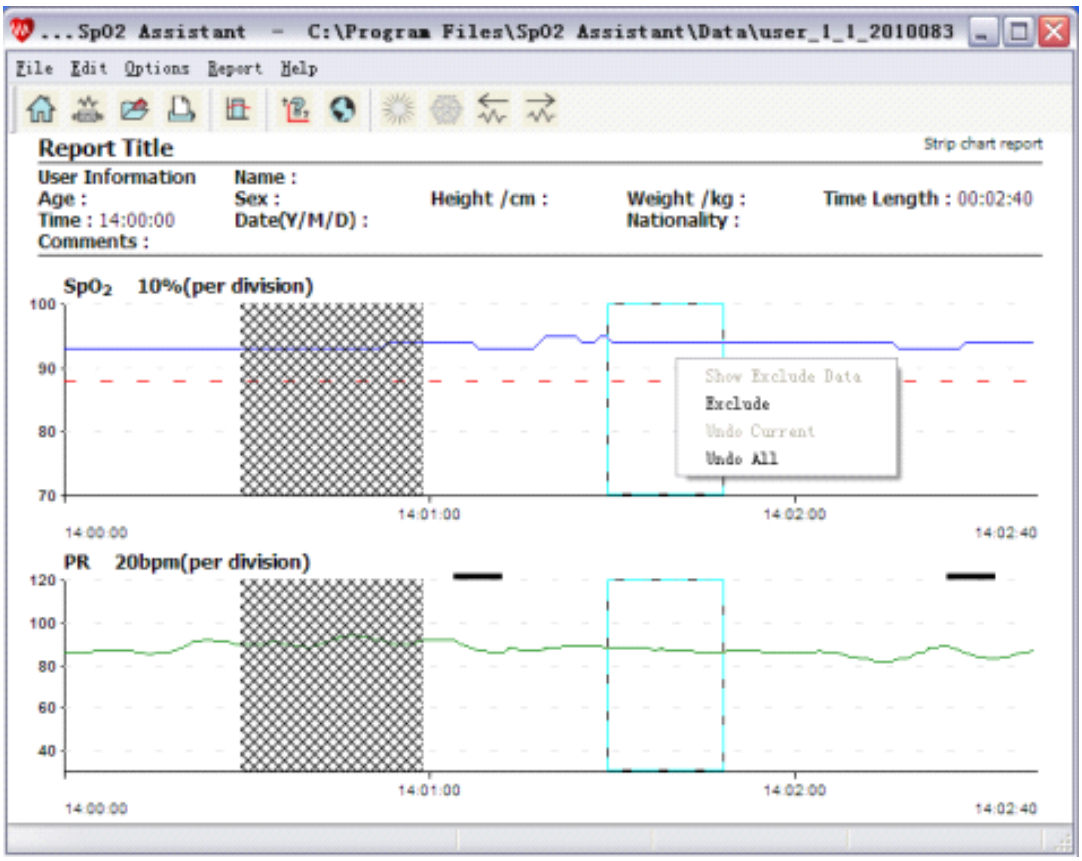


Figure 5.4.2.1.1Exclude data

Click menu "Edit-Exclude Data" or click button " " to exclude the chosen data,and pop-up all ti segment information of all excluding data as figure5.4.2.2.1.Or click right key of the mouse to pop-up menu,t click "exclude" to exclude the selected data directly as figure5.4.2.1.1， The background of excluding area is fil in,and the data of excluding area isn't analysed as figure 5.4.2.1.2.

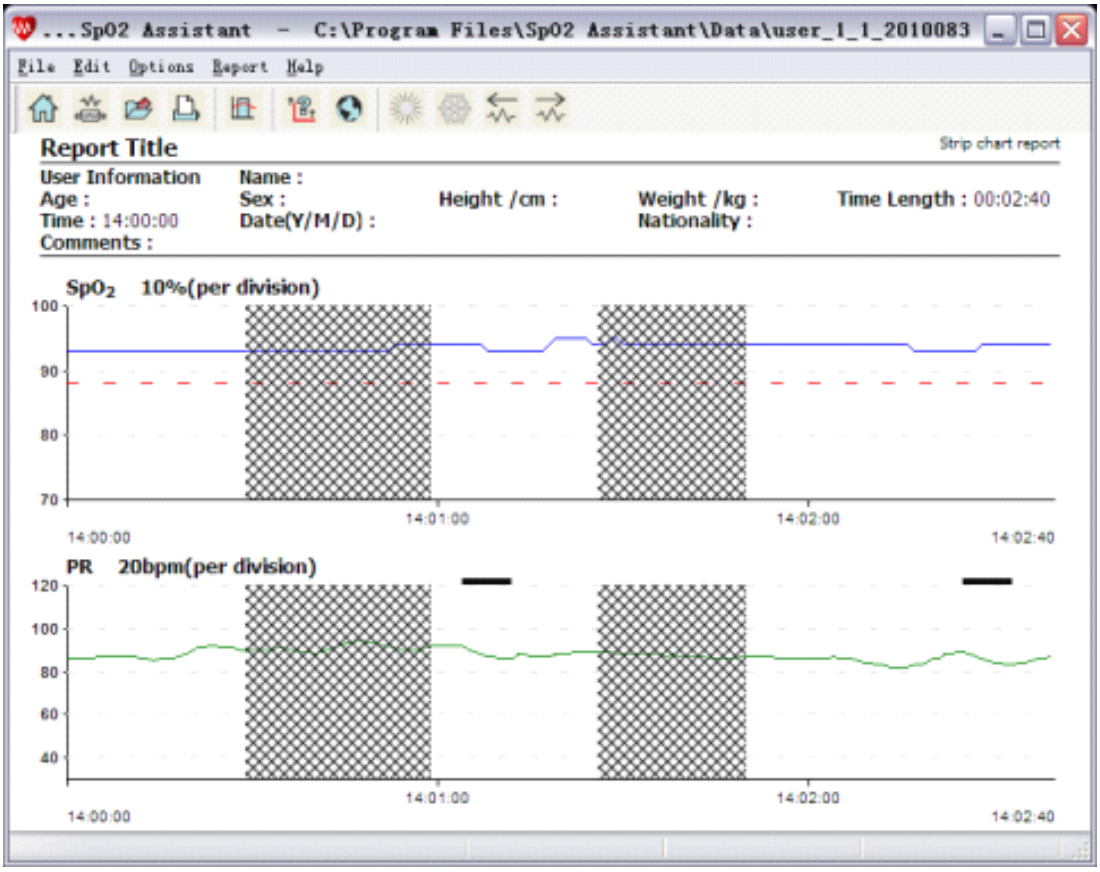


Figure 5.4.2.1.2The review analyse interface after excluding data

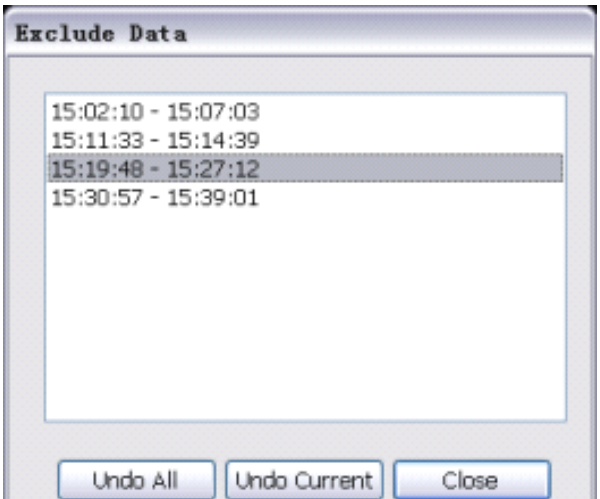
5.4.2.2. Undo excluding operation

In the state of having not chosen excluding data,click menu "Edit-Exclude Data" or click tool bar but

" " ,Or click right key of the mouse to pop-up menu,then click "exclude" to exclude the selected data directly

figure5.4.2.1.1. and the excluding data dialog box will appear as figure 5.4.2.2.1.There are all time segments having excluding data in the dialog box.Choose one time segment (could choose more),and click "Undo" to un excluding operation for this segment and clean out the display of this time segment in the list.Click "Undo All" undo all excluding time segment and clean out excluding data list in excluding data dialog box.After complet the operation of undoing excluding,the software will analyse data and display over again as figure 5.4.1.2.

Or click right key of mouse in excluded data area of client area to pop-up menu.Click "Undo current" to un excluding of current excluded data,and click "Undo all" to undo undo excluding of all excluded data.



5.4.3. Query user file

Click menu "File-Query User File",and the query user file dialog box will appear.In this dialog box there all data filename under data file as figure 5.4.1.1.

The user could input the correlative character string in filename which is wanted to queried,then all filenan including these character string will be displayed in list as figure 5.4.3.1.

Note:When quering,the inputed character string don't match case.If there is blank in charac string,the software could deal with both sides character of blank according to the "and" relation and qu corresponding file.

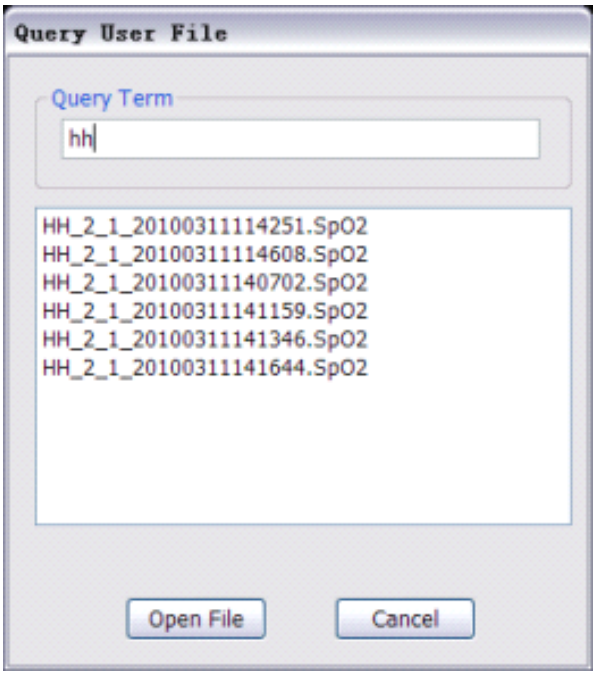


Figure 5.4.3.1Query user file dialog box

About "Open File" operation,please refer to 5.4.1 for details.

5.4.4. Analysis parameters

Analysis parameters include: SpO_2 parameter and pulse rate parameter.The software could analyse revi data according to the analysis parameter value

5.4.4.1. Parameter setting

Click menu "Options-Analysis Parameters",and analysis parameters dialog box will appear as fig 5.4.1.1.1.

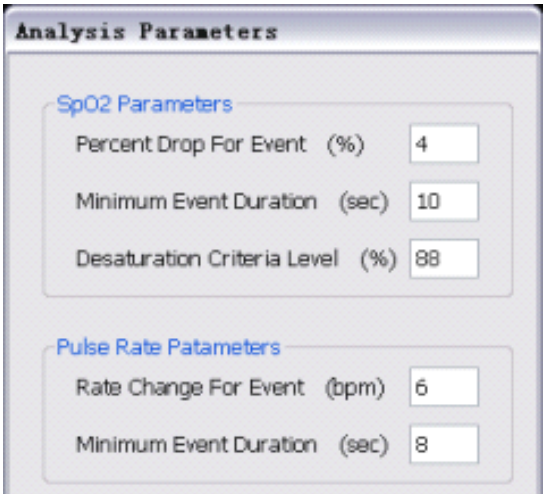


Figure 5.4.1.1 Analysis parameters dialog box

The user could set analysis parameters by this dialog box and click "OK" to make setting success. software could analyse review data over again according to the setting value and display analysis result.Cl "cancel" to cancel setting,and the software doesn't do any disposal.

5.4.4.2. Parameter explanation

SpO_2 parameters:

- Percent Drop For Event （%）：the input value uses "%" as unit to label SpO_2 Event.
- Minimum Event Duration （sec）：the input value uses "second" as unit,it is the time limit of "Perc Drop For Event" for SpO_2.
- Desaturation Criteria Level （%）：the input value uses "%" as unit.When the SpO_2 level is under values which have been set,the software could count solely,and use red dashed to express in display area of Sp data.

Pulse Rate parameters：

- Rate Change For Event （bpm）：the input value uses "bpm" as unit to set pulse rate event.
- Minimum Event Duration （sec）：the input value uses "second" as unit,it is the least time limit of "R Change For Event" for pulse rate.

5.4.5. Set display parameters

Please refer to 5.3.4 for details.The display parameter dialog box in this mode has memory function,a could record former setting.After restarting the program,the display parameter dialog box will display former setting still.

Note：The display parameters of review analysis mode and the display parameters of real time esp mode don't affect each other.Because the parameters are different under the two kinds of display modes, corresponding interfaces of display parameter dialog box are a little different as figure 5.4.5.1.

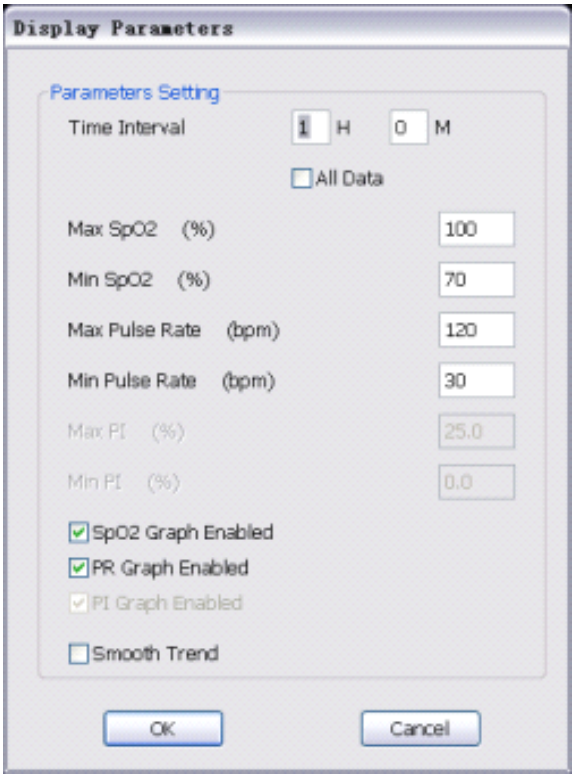


Figure 5.4.5.1Display parameter dialog box

5.4.6. Information setting

After setting,click "OK",and the result will be displayed in the interface and saved to the current d file.Click "Cancel" to cancel setting,and the information will keep former setting.

5.4.7. Report display

5.4.7.1. Strip chart report

Click menu "Report-Strip Chart Report",and the interface will display strip chart report as figure 5.4.1.2 the strip chart report,the user could carry out a series of operations such as excluding data,displaying parame value,moving trend wave and time axis and so on.

About excluding data operation,please refer to 5.4.2.

The methods of moving time axis and trend wave are as follows.

- Drag scroll bar to move by the left key of the mouse.
- Move by the around keys of keyboard.

Click the left key of the mouse in the effective data area of the trend chart to display the data collect time,SpO2 value,pulse rate value for the position.

Note: If the position of left key is noneffective data,the software will not display any numerical valu

5.4.7.2. Full study report

Click menu "Reports-Full Study Report",and the interface will display full study report as figure 5.4.7.2.1.

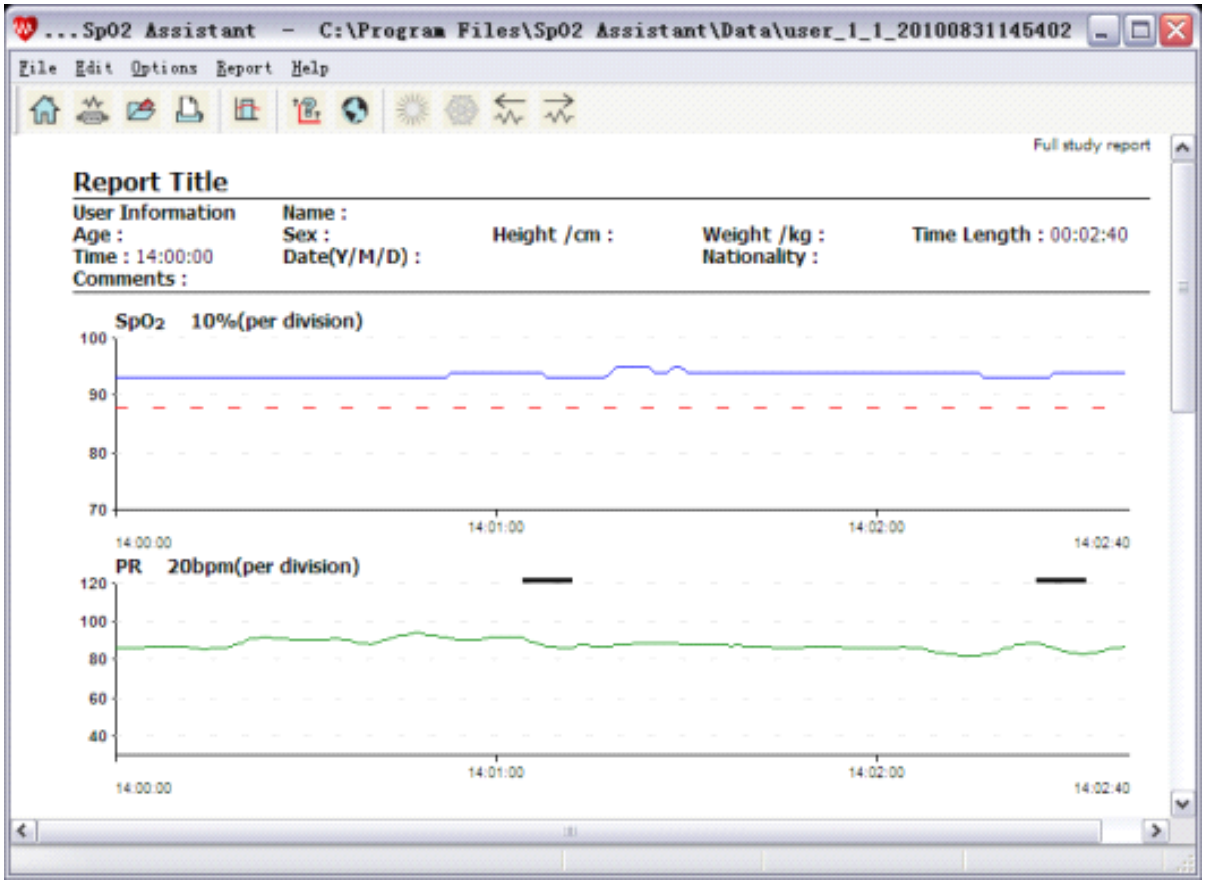


Figure 5.4.7.2..1Full study report

When the total number of pages is more than one,the user could carry paging operation according to methods as follow.

- Click or to left page or right page.
- Press “Page Down” or “Page Up” on the keyboard to page.

5.4.7.3. Oximetry report

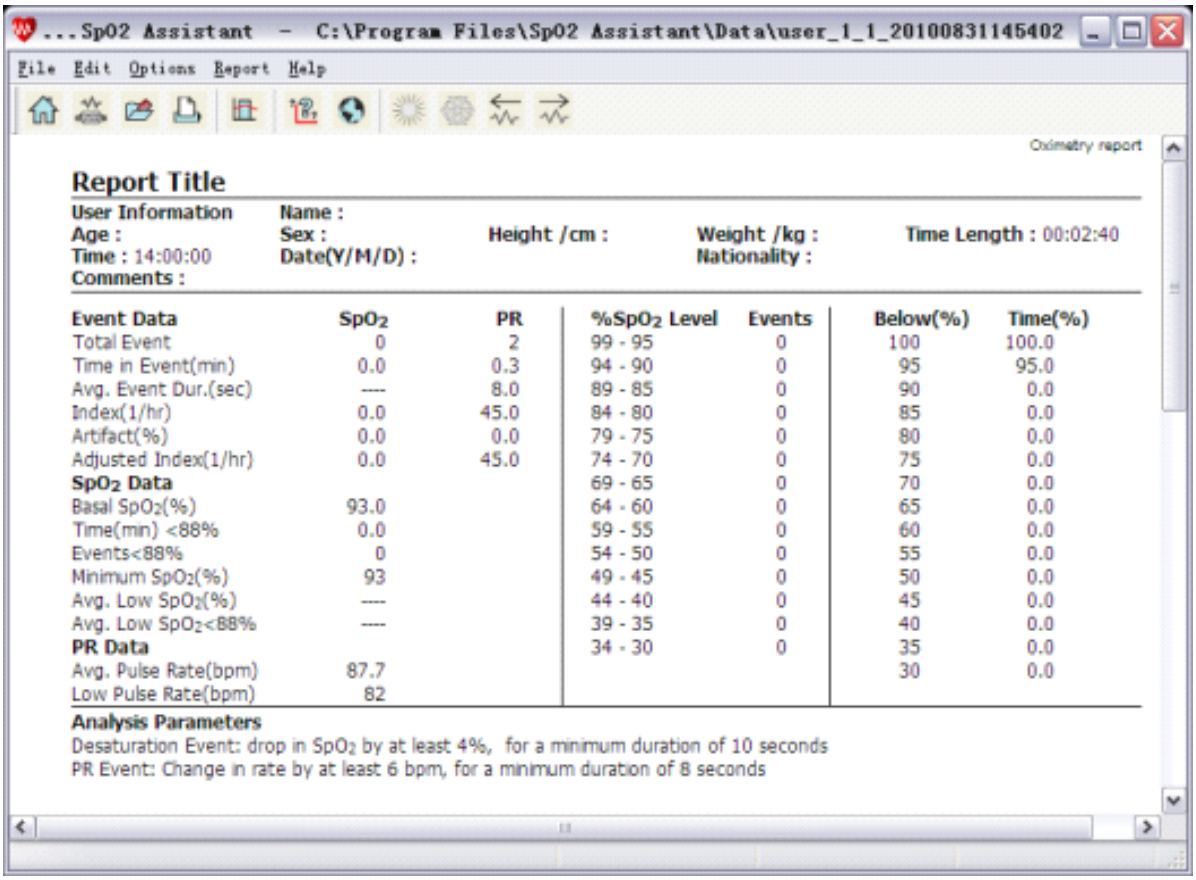


Figure 5.4.7.3.1Oximetry report

Substantival explanation in report

- Total Event：find total of event in value.
- Time in event（min）：time that all affairs are completed
- Avg. Event Dur.（sec）：the event average time equals that "Time in event" is divided by "Total Even
- Index（1/hr）：the event number per hour.
- Artifact（%）：contrived reason makes some areas data inefficacy.Noneffective data includes that z

value area and excluding data area.

- Adjusted index （1/hr）：the event number per hour.It may unequal to "Index",because it often

"effective" time length to divide "Total Event" (except "Artifact").In general,its value equals to "Index"(

"Artifact" is 0) or is less then "index"(the "Artifact" isn't 0).

- Basal SpO_2（%）：the average of the SpO2 readings that are not included in any event.
- Time (min)<88%：the time length of "SpO_2<88".Note:88 is a desaturation criteria level (set in analy

parameter dialog box).

- Events<88%：the event total of "SpO_2<88".
- Minimum SpO_2（%）：the minimum of all SpO_2 value.
- Avg. Low SpO_2（%）：this value relates to event,is the average value of "Minimum SpO_2" for all Sp

events.

- Avg. Low SpO_2<88%：the same as above,only count the average value of "Minimum SpO_2<88".88

desaturation criteria level (set in analysis parameter dialog box).

- Avg. Pulse Rate（bpm）：the average value of all pulse rate data.
- Low Pulse Rate（bpm）：the least value of all pulse rate data.

5.4.7.4. Summary report

Click menu "Report-Summary Report",and the interface will display summary report.The user couldn't time length for this report.The report display all data acquiescently as figure 5.4.7.4.1.

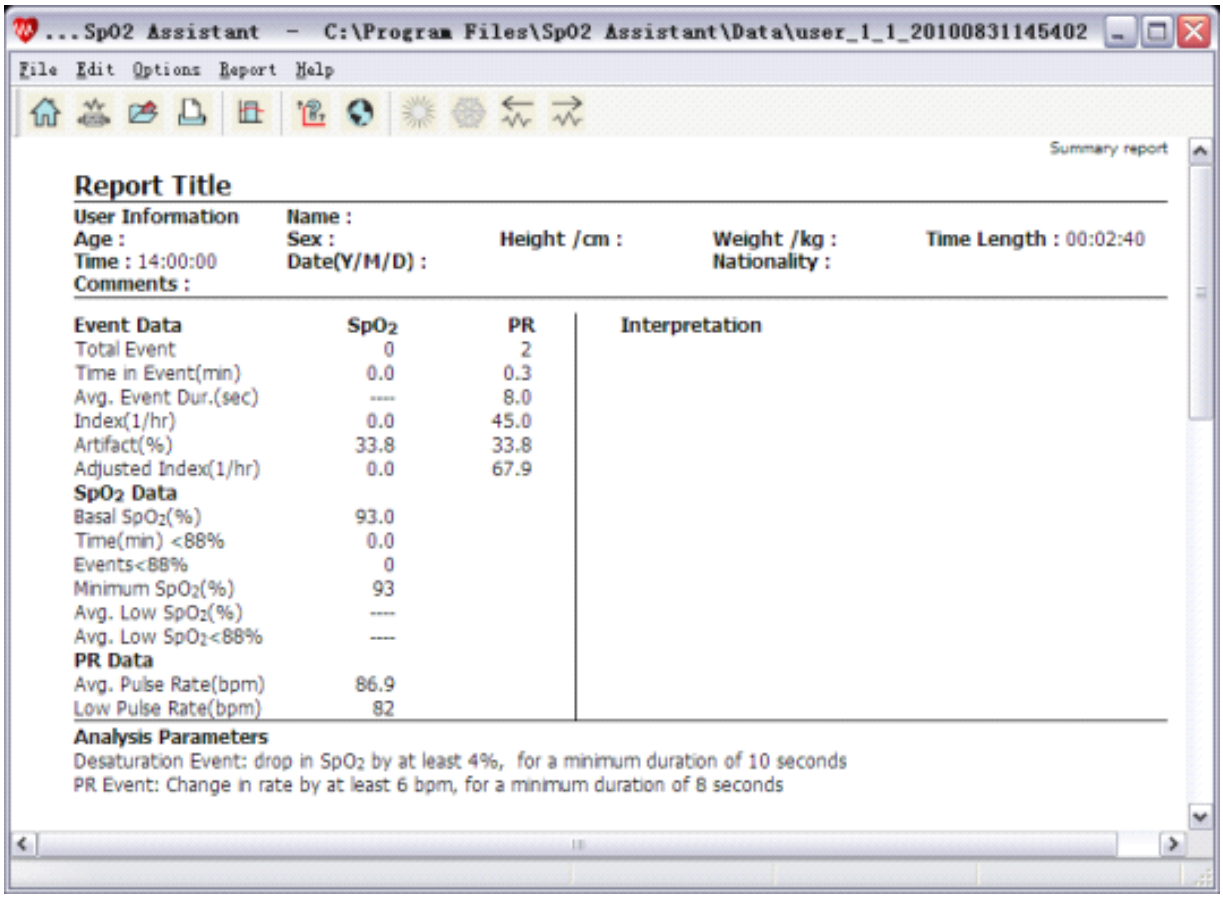


Figure 5.4.7.4.1Summary report

Substantival explanation in report:

Please refer to 5.4.7.3 for details.

5.4.7.5. Report title setting

Click menu "Report-Report Title Setting",and the report title setting dialog box will appear as fig 5.4.7.5.1.

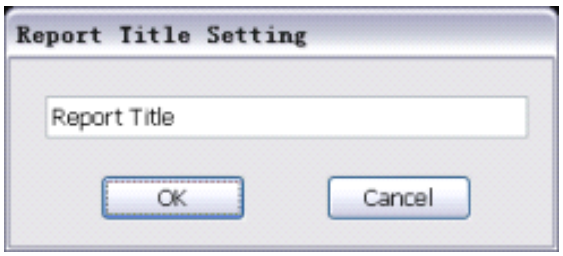


Figure 5.4.7.5.1Report title setting dialog box

The user could set report title by this dialog box.After setting,click "OK",and the title will be displayed.Cl "cancel" to cancel setting,and the report title will not changed.

5.4.8. Print report

The software support printout of the reports.The print format is the same as the displayed report format.T print methods are as follows.

- Click menu "File-Print".
- Click button

The user could cancel print operation in the process of print.

5.4.9. Interpretation

Click menu "Report-Interpretation",and the interpretation dialog box will appear.The user could e interpretation information,and the information display in the summary report as 5.4.9.1.

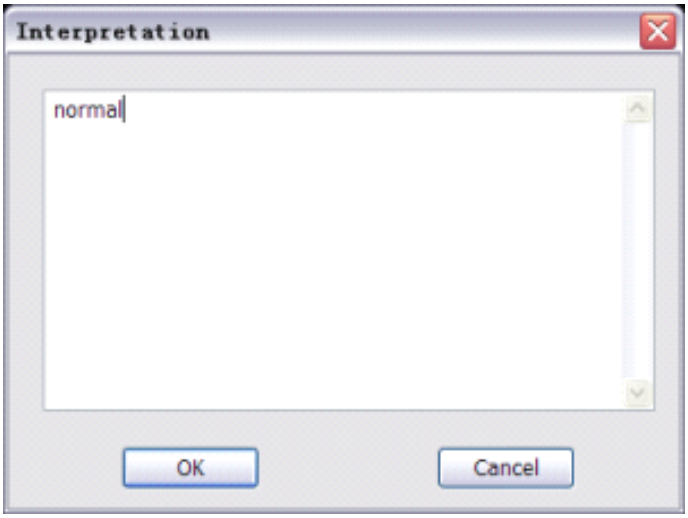


Figure 5.4.9.1Interpretation dialog box

5.4.10. Set SpO2 distribution

Click menu "Report-Set SpO2 distribution" to enter Set SpO2 distribution dialog box as figure5.4.10.1.T user could set SpO2 Event distribution and SpO2 distribution.After setting,the corresponding chart will change.

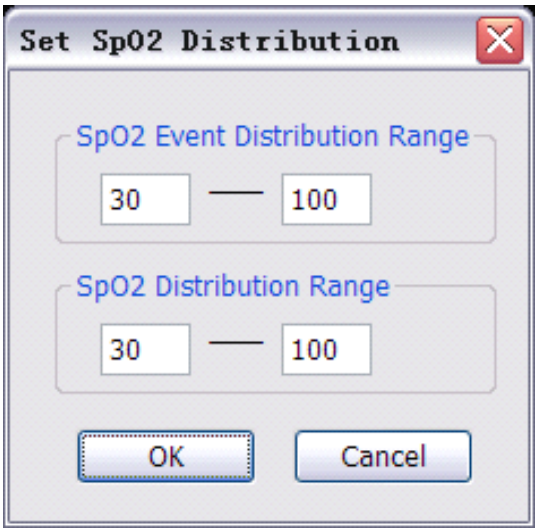


Figure 5.4.10.1Set SpO2 distribution dialog box

5.5. Mode switch

If the user wants to switch mode,the user need to close current mode according to the methods as follows.

- Click menu "File-Close"
- Click button

After closing the current mode,the software returns to the main window interface as figure 5.1.2.The u could enter the review analysis mode and real time espial mode according to introductive methods in front.

5.6. Custom Colors

color scheme" in the main interface (as Figure 5.1.2)to enter color scheme dialog box , select the custom co scheme. Click the "OK" button.

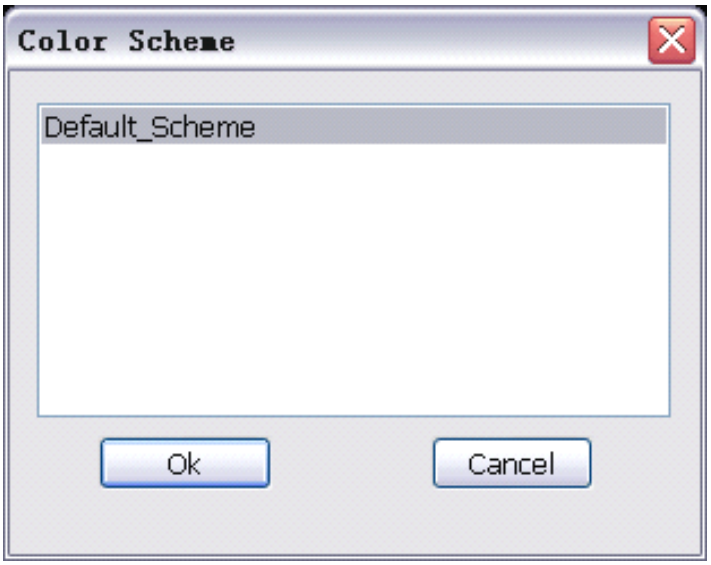


Figure 5.6.1 The dialog box of the color schemes

6. Appendix

6.1. Configuration color scheme

6.1.1. File contained the color scheme

Config.ini	//Color scheme
Decimal_point.bmp	//The picture of decimal point in PI value
PImap.bmp	//The display picture of PI value
pulse_alarm.bmp	//The display picture of pulse rate alarm bell
Pulsemap.bmp	//The display picture of the normal pulse rate value
spo2_alarm.bmp	//The display picture of SpO2 alarm bell
spo2map.bmp	//The display picture of the normal SpO2 value

6.1.2. Color configuration files

The content of the config.ini file

```
[paramcolor]
prbmpR=255
prbmpG=255
prbmpB=0
spo2R=0
spo2G=255
spo2B=255
PIR=0
PIG=255
PIB=255
waveR=255
waveG=255
waveB=0
textColorSpo2R=0
textColorSpo2G=255
textColorSpo2B=255
textColorPulseR=255
textColorPulseG=255
textColorPulseB=0
```

explanation：

prbmpR、prbmpG、prbmpB This three values decide the text color in the pulse rate parameters area.

spo2R、 spo2G、 spo2B This three values decide the text color in the SpO2 area.

PIR、PIG、PIB This three values decide the text color in the PI area.

waveR、waveG、waveB This three values decide the waveform color in the waveform area.

textColorSpo2R、textColorSpo2G、textColorSpo2B This three values decide the text color in SpO2 tr
area.

textColorPulseR、textColorPulseG、textColorPulseB This three values decide the text color in pulse r
trend area.

6.1.3. Configuration steps

Open the the " colorscheme " folder under the installation directory ,copy and rename the "Default_Sche "folder. According to their needs to modify the color configuration of the" config.ini "in the renamed folder. If y want to modify the value display picture, please use own picture to replace the original picture.

Note: Do not change the name, width, height of the picture, and each value in the picture have the sa width .